HPA-O 10.2 Trend HC 230 + HM Trend

AIR SOURCE HEAT PUMPS

PRODUCT-NO.: 208221

A powerful duo for home heating

This set consisting of an air source heat pump installed outdoors and the matching hydraulic module. It stands out thanks to its high efficiency and particularly quiet operation. The heat pump takes care of heating, cooling and hot water in your home – be it in a new build or modernisation project. Your existing building can also be heated extremely efficiently, regardless of its modernisation status. Together with this hydraulic module, the essential components for your system are combined to save space. This means individual heating energy and hot water demands can also be met. This set is also ideally suited for cooling via underfloor heating to provide you with a pleasant climate in the summer months.

Flexible installation, convenient control

On your flat roof, outside on the house wall or simply on the ground – with the right accessories and thanks to its exceptionally quiet operation, you have all the options for installing your heat pump. The hydraulic module is installed indoors to save space. The system can be controlled just as flexibly. You can control your preferred temperature easily and conveniently via the app. Thanks to natural refrigerant R290, heating is now even more efficient and eco-friendly.

HPA-O 07.2 Trend HC 230 + HM Trend
Product-No.: 208405

HPA-O 13.2 Trend HC 230 + HM Trend
Product-No.: 208406

HPA-O 13.2 Trend HC 400 + HM Trend
Product-No.: 208222

The main features

- Set comprising air source heat pump and hydraulic module for heating and cooling
- High flow temperatures all year round for first rate hot water convenience and universal use regardless of the heat distribution system
- Impressive efficiency and quiet operation even at high output
- Ideally suited for new build, modernisation or existing buildings
- Futureproof thanks to the use of the natural refrigerant R290
- Convenient operation via app, even when out and about (additional components required)
- Optimisations can be carried out remotely by the qualified contractor at any time

Set-Components 1

Type	HPA-O 07.2 Trend HC 230	HPA-O 10.2 Trend HC 230	HPA-O 13.2 Trend HC 230
Product set	HPA-O 07.2 Trend HC 230 + HM Trend	HPA-O 10.2 Trend HC 230 + HM Trend	HPA-O 13.2 Trend HC 230 + HM Trend

Technical data

Energy efficiency class, heat pump W35 (A+++ → D)	A+++	A+++	A+++
Energy efficiency class, heat pump W55 (A+++ → D)	A+++	A++	A+++
SCOP 35 °C (EN 14825)	4.67	4.59	4.65
SCOP 55 °C (EN 14825)	3.83	3.79	3.85
Heating output at A7/W35 (EN 14511)	2.91 kW	4.26 kW	5.56 kW
Heating output at A2/W35 (EN 14511)	4.24 kW	5.87 kW	4.09 kW
Heating output at A-7/W35 (EN 14511)	6.92 kW	9.49 kW	12.47 kW
Max. cooling capacity at A35/W7	6.04 kW	8.27 kW	9.56 kW
Cooling capacity at A35/W18, partial load (EN 14511)	3.35 kW	3.96 kW	4.29 kW
Max. cooling capacity at A35/W18	6.66 kW	8.94 kW	11.49 kW
COP at A7/W35 (EN 14511)	5.44	5.40	5.36
COP at A2/W35 (EN 14511)	4.02	3.96	4.54
COP at A-7/W35 (EN 14511)	2.84	2.80	2.75
Energy efficiency ratio at A35/W7 max.	2.80	2.52	2.70
Energy efficiency ratio at A35/W18, partial load (EN 14511)	5.18	5.24	5.45
Energy efficiency ratio at A35/W18 max.	3.70	3.65	3.61
Sound power level (EN 12102)	44 dB(A)	46 dB(A)	49 dB(A)
Min./max. application limits for heat source	-25 / 40 °C	-25/40 °C	-25 / 40 °C

Max. application limit on the heating side	75 °C	75 °C	75 °C
Height	960 mm	960 mm	1144 mm
Width	1170 mm	1170 mm	1170 mm
Depth	727 mm	727 mm	727 mm
Weight	145 kg	146 kg	170 kg
Rated voltage, compressor	230 V	230 V	230 V
Refrigerant	R290	R290	R290
Colour	Dark grey RAL 7021	Dark grey RAL 7021	Dark grey RAL 7021

Set-Components 1

Type	HPA-O 13.2 Trend HC 400
Product set	HPA-O 13.2 Trend HC 400 + HM Trend

Technical data

Energy efficiency class, heat pump W35 (A+++ → D)	A+++
Energy efficiency class, heat pump W55 (A+++ → D)	A+++
SCOP 35 °C (EN 14825)	4.65
SCOP 55 °C (EN 14825)	3.85
Heating output at A7/W35 (EN 14511)	5.56 kW
Heating output at A2/W35 (EN 14511)	7.45 kW
Heating output at A-7/W35 (EN 14511)	12.47 kW
Max. cooling capacity at A35/W7	9.56 kW
Cooling capacity at A35/W18, partial load (EN 14511)	4.99 kW
Max. cooling capacity at A35/W18	11.49 kW
COP at A7/W35 (EN 14511)	5.36
COP at A2/W35 (EN 14511)	3.91
COP at A-7/W35 (EN 14511)	2.75
Energy efficiency ratio at A35/W7 max.	2.70
Energy efficiency ratio at A35/W18, partial load (EN 14511)	4.81
Energy efficiency ratio at A35/W18 max.	3.60
Sound power level (EN 12102)	49 dB(A)
Min./max. application limits for heat source	-25 / 40 °C

Max. application limit on the heating side	75 °C
Height	1144 mm
Width	1170 mm
Depth	727 mm
Weight	170 kg
Rated voltage, compressor	400 V
Refrigerant	R290
Colour	Dark grey RAL 7021

Set-Components 2

Type	HM Trend	HM Trend	HM Trend
Product set	HPA-O 07.2 Trend HC 230 + HM Trend	HPA-O 10.2 Trend HC 230 + HM Trend	HPA-O 13.2 Trend HC 230 + HM Trend

Technical data

Max. permissible pressure	0.30 MPa	0.30 MPa	0.30 MPa
Min. application limit on heating side	7 °C	7 °C	7 °C
Max. application limit on the heating side	75 °C	75 °C	75 °C
External available pressure differential at 1.0 m³/h	715 hPa	715 hPa	715 hPa
External available pressure differential at 1.5 m³/h	661 hPa	661 hPa	661 hPa
External available pressure differential at 2 m³/h	468 hPa	468 hPa	468 hPa
External available pressure differential at 2.5 m³/h	300 hPa	300 hPa	300 hPa
Expansion vessel volume	24 l	24 l	24 l
Frequency	50 Hz	50 Hz	50 Hz
Rated voltage, control unit	230 V	230 V	230 V
Phases, control unit	1/N/PE	1/N/PE	1/N/PE
Control unit fuse protection	1 x B 16 A	1 x B 16 A	1 x B 16 A
Rated voltage, emergency/auxiliary heater	400 V	400 V	400 V
Power consumption, emergency/auxiliary heater	8.80 kW	8.80 kW	8.80 kW
Power consumption, circulation pump	3-76 W	3-76 W	3-76 W
Circulation pump type	Yonos PARA 25/7.5	Yonos PARA 25/7.5	Yonos PARA 25/7.5
IP rating	IP20	IP20	IP20
Height	896 mm	896 mm	896 mm

Height incl. connector block	1131 mm	1131 mm	1131 mm
Width	590 mm	590 mm	590 mm
Depth	405 mm	405 mm	405 mm
Weight	27 kg	27 kg	27 kg
Connection	G 1	G 1	G 1
Connection type	Permanent connection	Permanent connection	Permanent connection

Set-Components 2

Type	HM Trend
Product set	HPA-O 13.2 Trend HC 400 + HM Trend

Technical data

Max. permissible pressure	0.30 MPa
Min. application limit on heating side	7 °C
Max. application limit on the heating side	75 °C
External available pressure differential at 1.0 m³/h	715 hPa
External available pressure differential at 1.5 m³/h	661 hPa
External available pressure differential at 2 m³/h	468 hPa
External available pressure differential at 2.5 m³/h	300 hPa
Expansion vessel volume	24 l
Frequency	50 Hz
Rated voltage, control unit	230 V
Phases, control unit	1/N/PE
Control unit fuse protection	1 x B 16 A
Rated voltage, emergency/auxiliary heater	400 V
Power consumption, emergency/auxiliary heater	8.80 kW
Power consumption, circulation pump	3-76 W
Circulation pump type	Yonos PARA 25/7.5
IP rating	IP20
Height	896 mm

Height incl. connector block	1131 mm
Width	590 mm
Depth	405 mm
Weight	27 kg
Connection	G 1
Connection type	Permanent connection

Further information about the Set components can be found under the relevant product.

Contact information

You have questions? We appreciate to help you:
Call **+49 5531 - 7020**
Write an email to **info@stiebel-eltron.com**

Installation information

Please ask your local power supply utility or a registered electrician to install appliances that are not fully wired, i.e. ready to plug in. The electrician should also be able to assist you with obtaining the agreement of the respective power supply utility required for the appliance installation.